

LISTING OF CLAIMS

1-16 (Cancelled)

17. (Previously presented) A golf ball having a pattern of dimples and a corrugated parting line on its spherical surface, the golf ball formed in a mold which has a generally spherical cavity therein and is composed of upper and lower mold cups being removably mated along a parting surface at a position corresponding to an equator region of the spherical cavity of the mold, wherein the corrugated parting line of the golf ball comprises multiple radii forming a plurality of peaks and valleys which are offset from the dimples as not to interfere with the dimple edge and the dimples on one side of the parting line interdigitate with the dimples on the other side to form a gold ball having a substantially seamless appearance.

18. (Cancelled)

19. (Original) The golf ball according to claim 17, wherein the parting line along the profile of the equator dimples is offset from the equator dimples by at least 0.001 inch.

20. (Cancelled)

21. (Currently amended) The golf ball according to claim ~~[[20]]~~ 17, wherein the corrugated parting line is a result of a superposition of a base waveform with a secondary waveform, whereby the wavelength of the secondary waveform is substantially shorter than that of the base waveform

22. (Original) The golf ball according to claim 21, wherein the secondary waveform is continuous around the equator of the molded golf ball.

23. (Original) The golf ball according to claim 21, wherein the secondary waveform is broken into individual segments that are applied in a periodic fashion to the base waveform

24. (Original) The golf ball according to claim 17, wherein the dimples of the molded golf ball are in an icosahedral arrangement pattern.
25. (Original) The mold according to claim 17, wherein the dimples of the molded golf ball are in an octahedral arrangement pattern.
26. (Original) The mold according to claim 17, wherein the dimples of the molded golf ball are in a cube-octahedral arrangement pattern.
27. (Cancelled)
28. (New) A golf ball having a pattern of dimples and a corrugated parting line on its spherical surface, the golf ball formed in a mold which has a generally spherical cavity therein and is composed of upper and lower mold cups being removably mated along a parting surface at a position corresponding to an equator region of the spherical cavity of the mold, wherein the corrugated parting line of the golf ball comprises multiple radii forming a plurality of peaks and valleys which are offset from the dimples as not to interfere with the dimple edge and the dimples on one side of the parting line interdigitate with the dimples on the other side to form a golf ball having a substantially seamless appearance wherein the dimples of the molded golf ball are in a dipyramid pattern.